



No.	CF-2009-08	1/2
Issue Date	9 March 2009	

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to **Canadian Aviation Regulation (CAR) 593**. Pursuant to **CAR 605.84** and the further details of **CAR Standard 625, Appendix H**, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with **CAR 605.84** and the above-referenced **Standard**.

This AD has been issued by the Continuing Airworthiness Division (AARDG), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

Number: CF-2009-08

Subject: Pressurization System: Cabin Pressure Control (CPC) Units and Cabin Pressure Control Panel (CPCP) Deficiency

Effective: 9 April 2009

Applicability: Bombardier Inc. Models:
CL-600-2C10, Serial Numbers 10003 through 10260
CL-600-2D15 and CL-600-2D24, Serial Numbers 15001 through 15095

Compliance: As indicated below, unless already accomplished.

Background: During testing, it was discovered that when the outflow valve (OFV) manual mode connector is not connected, the manual mode motor and altitude limitation are not properly tested. Consequently, a disconnect of the OFV manual mode and/or a related wiring failure could potentially result in a dormant loss of several CPC backup/safety functions, including OFV manual control, altitude limitation, emergency depressurization and smoke clearance. This deficiency is applicable to CPC units, Part Number (P/N) GG670-98002-3 and -5, and CPCP, Part Number GG670-98001-5, -7 and -9.

This directive mandates an interim repetitive check of the OFV manual mode motor and altitude limitation functions, followed by modification (software update) of the CPC units and the CPCP.

Corrective Actions: **Part I: Repetitive Check of the Pressurization System - Manual Mode Motor and Altitude Limitation.**

Within 450 hours air time after the effective date of this directive and, subsequently, no later than every 450 hours air time until Part III of this directive is accomplished:

Check the manual mode motor and altitude limitation, in accordance with the Accomplishment Instructions in Part A of Bombardier Alert Service Bulletin (ASB) A670BA-21-022, dated 3 August 2006, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Part II: Software Update - CPC Units

Within 4500 hours air time after the effective date of this directive:

Remove, modify, re-install and test both CPC units (see Note 1), in accordance with the Accomplishment Instructions in Part B of Bombardier ASB A670BA-21-022, dated 3 August 2006, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Notes:

1. As an alternative to removing, modifying and re-installing the existing parts, already modified CPC units, Part Number GG670-98002-7, may be installed.

Pursuant to **CAR 202.51** the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address.

To request a change of address, contact the Civil Aviation Communications Centre (AARC) at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or www.tc.gc.ca/civilaviation/communications/centre/address.asp

24-0022 (01-2005)

Canada

2. Part II may be conducted separately from Part III of this directive but is a pre-requisite to Part III.

Part III : Software Update - CPCP

Within 4500 hours air time after the effective date of this directive:

Remove, modify, re-install and test the CPCP (see Note 1), in accordance with the Accomplishment Instructions in Part C of Bombardier ASB A670BA-21-022, dated 3 August 2006, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Notes:

1. As an alternative to removing, modifying and re-installing the existing part, an already modified CPCP, Part Number GG670-98001-11, may be installed.
2. Part II is a pre-requisite to Part III of this directive.

Authorization: For Minister of Transport, Infrastructure and Communities

Eric Lucas
Acting Chief, Continuing Airworthiness

Contact: Mr. Richard Topham, Continuing Airworthiness, Ottawa, telephone 613-952-4428, facsimile 613-996-9178 or e-mail richard.topham@tc.gc.ca or any Transport Canada Centre.